



0360#5

#4

Docket No. 49949 (71432)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: S. LYNSTADAAS et al.

Serial No.: 09/885,725

GROUP: Not Yet Assigned

Filed: June 19, 2001

EXAMINER: Not Yet Assigned

For: MATRIX PROTEIN COMPOSITIONS FOR DENTIN REGENERATION

Assistant Commissioner for Patents  
Washington, D.C. 20231

\*\*\*\*\*

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, Washington, D.C. 20231.

Date

October 16, 2001

By:

Judith A. Herrick

\*\*\*\*\*

Sir:

**INFORMATION DISCLOSURE STATEMENT**

In accordance with the provisions of 37 C.F.R. §§1.56 and 1.97, Applicants herewith submit the publications and/or patents shown on the attached form PTO-1449, for consideration by the Examiner in connection with the examination of the above-identified patent application.

**REMARKS**

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed:

- X   (1) within three (3) months of the Filing Date or **before the mailing date of the First Office Action** on the merits; or
- (2) within three months of the mailing date of the Search Report issued by the:            Patent Office (dated           ) (**COPY ENCLOSED**); or
- (3) after the period defined in (1) but before the mailing date of a **Final Rejection** or **Notice of Allowance**, and the requisite Certification or fee under Rule 1.17(p), namely **\$240.00**, is included herein; or

\_\_\_\_ (4) after the mailing date of a **Final Rejection** or **Notice of Allowance** but before the payment of the **Issue Fee**, and the requisite Certification, petition, and petition fee are included herein.

It is respectfully requested that each of the documents shown on the attached form(s) PTO-1449 be made of record in this application. Copies of these documents (CHECK ONE):

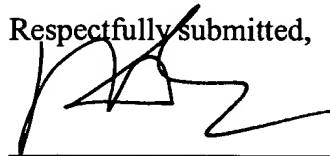
  X   are enclosed herewith; or  
\_\_\_\_ have been cited in the parent application, and are thus not being resubmitted herein  
  X   each reference was cited in a European Search Report (copy enclosed).

Early examination and allowance of the present application are respectfully solicited.

#### FEE AUTHORIZATION

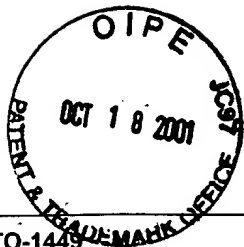
Should any fees associated with the submission be required, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 04-1105. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,

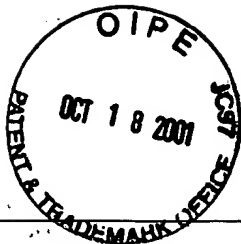


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Date: October 16, 2001



FORM PTO-1449		DOCKET NO.: 49949 (71432)	SERIAL NO.: 09/885,725
INFORMATION DISCLOSURE STATEMENT		APPLICANT(S): S. LYGSTADAAS et al.	
		FILING DATE: June 19, 2001	GROUP NO.: Not Yet Assigned
	CF	Lyngstadaas SP, Lundberg E, Ekdahl H, Andersson C, Gestrelus S (2001). Autocrine growth factors in human periodontal ligament cells cultured on enamel matrix derivative. <i>J. Clin Periodontol</i> , Feb;28(2):181-8;	
	CG	T. INAI et al.: "Demonstration of amelogenin in the enamel-free cusps of rat molar tooth germs: Immunofluorescent and immunoelectron microscopic studies." <i>THE ANATOMICAL RECORD</i> , vol. 233, no.4, August 1992, pages 588-596;	
	CH	James T. MELLONIG; "Enamel Matrix Derivative for Periodontal Reconstructive Surgery: Technique and Clinical and Histologic Case Report" <i>INTERNATIONAL JOURNAL OF PERIODONTICS &amp; RESTORATIVE DENTISTRY</i> , vol. 19, no.1, February 1999, pages 9-19.	
Examiner:			Date:



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## UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	BA	WO 97/02730	30.01.97	PCT			Yes
	BB	WO 99/43344	02.09.99	PCT			Yes
	BC						

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

CA	L. Hammarstrom: Enamel matrix, cementum development and regeneration <i>J. Clin. Periodontol.</i> 1997; 24: pp. 658-668;
CB	A.R. Ten Cate: <i>ORAL HISTOLOGY, Development, Structure and Function</i> , 3 <sup>rd</sup> Ed., Mosby 1989, pp. 197-199;
CC	Fincham et al., Self-Assembly of a Recombinant Amelogenin Protein Generates Supramolecular Structures. <i>J. Struct. Biol.</i> 1994 March-April; 112(2):103-9;
CD	Fincham et al., Evidence for Amelogenin "Nanospheres" as Functional Components of Secretory-State Enamel Matrix. <i>J. Struct. Biol.</i> 1995 July-August; 115(1):50-9;
CE	Gestrelus S. Andersson C, Johansson AC, Persson E, Brodin A, Rydhag L, Hammarstrom L (1997). Formulation of enamel matrix derivative for surface coating. Kinetics and cell colonization. <i>J. Clin Periodontol</i> , 24: 678-684;